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Fax Notes:

Attached are proposed claim amendments to improve clarity of the claims and to try to compact the prosecution. Please let me know, whether one of the options provided is agreeable, so that an examiner's amendment may be done.

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Proposed Amendments

Option 1:

As discussed in the interview, incorporation of paragraphs 31-33 of the published application into claim 1 to make more clear the tag access mechanism in relation to the claim. Similar amendments to claim 14 were made in relation to claim 1. And amendments to make more clear the session window of claim 10 and similarly claims 11-12 and 22-24.

Claim 1:

A machine-implemented method for executing a database statement, the method comprising the steps of:

a database server receiving a request to execute the database statement, wherein the request specifies the database statement and a tag that does not conform to a database language of said database statement;

wherein said tag specifies at least one parameter field and at least one parameter value;

in response to receiving the request, said database server storing the tag;

said database server executing said database statement by a computer, wherein during execution of said database statement said database server provides access to one or more of the at least one parameter value through a tag access mechanism provided by said database server,

wherein the database server contains a security module that enforces a security policy that protects the database server and it's associated database from a user or the

database statement from accessing data in which the user or the database statement is not entitled to access,

wherein the security module receives a security level from the at least one parameter value of said tag accessed by the tag access mechanism, and based on the security level from the from the at least one parameter value the security module provides the level of security associated with the database statement or the user;

wherein the database server contains a user supplied routine handler that handles routines supplied by a user that specify procedures related to executing the database statement,

wherein the user supplied routine handler receives a user context information from the at least one parameter value accessed by the tag access mechanism, and based on the user context from the at least one parameter value the user supplied routine handler relates which user supplied routines are processed and how to process user supplied routines for the database statement;

wherein the database server contains a scheduling module that schedules the database statement for execution,

wherein the scheduling module views, from the at least one parameter value of said tag from said tag access mechanism, a priority level of the database statement to determine when to schedule the database statement for execution, and based on the priority level from the at least one parameter value the scheduling module reschedules the execution of the database statement based on the priority levels for the database statement.

2. (Currently Amended) The method of claim 1, wherein the database statement is written in a language in which results desired are specified by the database statement, and no procedures for obtaining the results desired are specified by the database statement.
3. (cancelled) The method of claim 1, wherein a priority for executing the database statement is determined based on the at least one parameter value.
4. (cancelled) The method of claim 1, wherein a security level is associated with the at least one parameter such that whether the database is entitled to access a component is based on the at least one parameter.
5. (Original) The method of claim 1, wherein the at least one parameter is accessible to a systems administrator.
6. (Cancelled) The method of claim 1, wherein the at least one parameter is related to user context information.
7. (Original) The method of claim 1, wherein the tag comprises an indicator of a beginning of the tag, and an indicator of an end of the tag.

8. (Original) The method of claim 7, wherein the at least one parameter value is located between the indicator of the beginning and the indicator of the end of the tag.

9. (Original) The method of claim 8, wherein each of the at least one parameter fields comprises an indicator of a beginning of the parameter field, followed by the parameter value, which in turn is followed by an indicator of an end of the parameter field.

10. (Currently Amended) The method of claim 1 wherein the at least one parameter value can be accessed without accessing [[a session space]] memory allocated to a database session associated with a session window, wherein the database statement was issued within the session window and the session window is the period of time a client remains connected in the database session.

11. (Cancelled) The method of claim 4, wherein the at least one parameter value can be accessed without accessing [[a session space]] memory allocated to a database session associated with a session window, wherein the database statement was issued within the session window and the session window is the period of time a client remains connected in the database session.

12. (Currently Amended) The method of claims 2, wherein the at least one parameter value can be accessed without accessing [[a session space]] memory allocated to a database session associated with a session window, wherein the database statement was issued within the session window and the session window is the period of time a client remains connected in the database

session.

13. (Currently Amended) The method of claims 1, wherein the at least one parameter value can be accessed after a session window has closed, wherein the database statement was issued within the session window.

14. (Currently Amended) A machine-readable storage medium carrying one or more sequences of instructions, which when executed by one or more processors, causes the one or more processors to perform a method comprising the steps of:

a database server receiving a request to execute a database statement, wherein the request specifies the database statement and a tag that does not conform to a database language, of said database statement;

wherein said tag specifies at least one parameter field and at least one parameter value;
in response to receiving the request, said database server storing the tag;

said database server executing said database statement, wherein during execution of said database statement said database server provides access to one or more of the at least one parameter value through a tag access mechanism provided by said database server,

wherein the database server contains a security module that enforces a security policy that protects the database server and it's associated database from a user or the database statement from accessing data in which the user or the database statement is not entitled to access.

wherein the security module receives a security level from the at least one parameter value of said tag accessed by the tag access mechanism, and based on the security level from the from the at least one parameter value the security module provides the level of security associated with the database statement or the user;

wherein the database server contains a user supplied routine handler that handles routines supplied by a user that specify procedures related to executing the database statement,

wherein the user supplied routine handler receives a user context information from the at least one parameter value accessed by the tag access mechanism, and based on the user context from the at least one parameter value the user supplied routine handler relates which user supplied routines are processed and how to process user supplied routines for the database statement;

wherein the database server contains a scheduling module that schedules the database statement for execution,

wherein the scheduling module views, from the at least one parameter value of said tag from said tag access mechanism, a priority level of the database statement to determine when to schedule the database statement for execution, and based on the priority level from the at least one parameter value the scheduling module reschedules the execution of the database statement based on the priority levels for the database statement.

15. (Currently Amended) The machine-readable storage medium of claim 14, wherein the database statement is written in a language in which results desired are specified by the

database statement, but no procedures for obtaining the results desired are specified by the database statement.

16. (Cancelled) The machine-readable storage medium of claim 14, wherein a priority for executing the database statement is determined based on the at least one parameter value.

17. (Previously Presented) The machine-readable storage medium of claim 14, wherein the at least one parameter is accessible to a systems administrator.

18. (Cancelled) The machine-readable storage medium of claim 14, wherein the at least one parameter is related to user context information.

19. (Previously Presented) The machine-readable storage medium of claim 14, wherein the tag comprises an indicator of a beginning of the tag, and an indicator of an end of the tag.

20. (Previously Presented) The machine-readable storage medium of claim 19, wherein the at least one parameter value is located between the indicator of the beginning and the indicator of the end of the tag.

21. (Previously Presented) The machine-readable storage medium of claim 20, wherein each of the at least one parameter fields comprises an indicator of a beginning of the parameter field,

followed by the parameter value, which in turn is followed by an indicator of an end of the parameter field.

22. (Currently Amended) The machine-readable storage medium of claim 14, wherein the at least one parameter value can be accessed without accessing [[a session space]] memory allocated to a database session associated with a session window, wherein the database statement was issued within the session window and the session window is the period of time a client remains connected in the database session.

23. (Cancelled) The machine-readable storage medium of claim 26, wherein the at least one parameter value can be accessed without accessing [[a session space]] memory allocated to a database session associated with a session window, wherein the database statement was issued within the session window and the session window is the period of time a client remains connected in the database session.

24. (Currently Amended) The machine-readable storage medium of claims 15, wherein the at least one parameter value can be accessed without accessing [[a session space]] memory allocated to a database session associated with a session window, wherein the database statement was issued within the session window and the session window is the period of time a client remains connected in the database session

25. (Currently Amended) The machine-readable storage medium of claim 14, wherein the at least one parameter value can be accessed after a session window has closed, wherein the database statement was issued within the session window.

26. (Cancelled) The machine-readable storage medium of claim 14, wherein a security level is associated with the at least one parameter such that whether the database is entitled to access a component is based on the at least one parameter.

Option 2:

Incorporation of claim 10 as amended and further clarification on the tag access mechanism in regards to the claims.

Claim 1:

A machine-implemented method for executing a database statement, the method comprising the steps of:

a database server receiving a request to execute the database statement, wherein the request specifies the database statement and a tag that does not conform to a database language of said database statement;

wherein said tag specifies at least one parameter field and at least one parameter value;

in response to receiving the request, said database server storing the tag;

said database server executing said database statement by a computer, wherein during execution of said database statement said database server provides access to one or more of the at least one parameter value through a tag access mechanism provided by said database server,

wherein the database server contains a scheduling module that schedules the database statement for execution,

wherein the scheduling module views, from the at least one parameter value of said tag from said tag access mechanism, a priority level of the database statement to determine when to schedule the database statement for execution, and based on the priority level from the at least one parameter value the scheduling module reschedules the execution of the database statement based on the priority levels for the database statement, and

wherein the at least one parameter value from said tag can be accessed without accessing memory allocated to a database session associated with a session window, wherein the database statement was issued within the session window, and the session window is the period of time a client remains connected in the database session.

2. (Currently Amended) The method of claim 1, wherein the database statement is written in a language in which results desired are specified by the database statement, and no procedures for obtaining the results desired are specified by the database statement.

3. (Cancelled) The method of claim 1, wherein a priority for executing the database statement is determined based on the at least one parameter value.
4. (Cancelled) The method of claim 1, wherein a security level is associated with the at least one parameter such that whether the database is entitled to access a component is based on the at least one parameter.
5. (Original) The method of claim 1, wherein the at least one parameter is accessible to a systems administrator.
6. (Original) The method of claim 1, wherein the at least one parameter is related to user context information.
7. (Original) The method of claim 1, wherein the tag comprises an indicator of a beginning of the tag, and an indicator of an end of the tag.
8. (Original) The method of claim 7, wherein the at least one parameter value is located between the indicator of the beginning and the indicator of the end of the tag.
9. (Original) The method of claim 8, wherein each of the at least one parameter fields comprises an indicator of a beginning of the parameter field, followed by the parameter

value, which in turn is followed by an indicator of an end of the parameter field.

10. (cancelled) The method of claim 1 wherein the at least one parameter value can be accessed without accessing [[a session space]] memory allocated to a database session associated with a session window, wherein the database statement was issued within the session window and the session window is the period of time a client remains connected in the database session.

11. (Cancelled) The method of claim 4, wherein the at least one parameter value can be accessed without accessing [[a session space]] memory allocated to a database session associated with a session window, wherein the database statement was issued within the session window and the session window is the period of time a client remains connected in the database session.

12. (Currently Amended) The method of claims 2, wherein the at least one parameter value can be accessed without accessing [[a session space]] memory allocated to a database session associated with a session window, wherein the database statement was issued within the session window and the session window is the period of time a client remains connected in the database session.

13. (Currently Amended) The method of claims 1, wherein the at least one parameter value can be accessed after a session window has closed, wherein the database statement was issued within

the session window.

14. (Currently Amended) A machine-readable storage medium carrying one or more sequences of instructions, which when executed by one or more processors, causes the one or more processors to perform a method comprising the steps of:

a database server receiving a request to execute a database statement, wherein the request specifies the database statement and a tag that does not conform to a database language, of said database statement;

wherein said tag specifies at least one parameter field and at least one parameter value; in response to receiving the request, said database server storing the tag;

said database server executing said database statement, wherein during execution of said database statement said database server provides access to one or more of the at least one parameter value through a tag access mechanism provided by said database server,

wherein the database server contains a scheduling module that schedules the database statement for execution,

wherein the scheduling module views, from the at least one parameter value of said tag from said tag access mechanism, a priority level of the database statement to determine when to schedule the database statement for execution, and based on the priority level from the at least one parameter value the scheduling module reschedules the execution of the database statement based on the priority levels for the database statement, and

wherein the at least one parameter value from said tag can be accessed without accessing memory allocated to a database session associated with a session window,

wherein the database statement was issued within the session window, and the session window is the period of time a client remains connected in the database session.

15. (Currently Amended) The machine-readable storage medium of claim 14, wherein the database statement is written in a language in which results desired are specified by the database statement, but no procedures for obtaining the results desired are specified by the database statement.

16. (Cancelled) The machine-readable storage medium of claim 14, wherein a priority for executing the database statement is determined based on the at least one parameter value.

17. (Previously Presented) The machine-readable storage medium of claim 14, wherein the at least one parameter is accessible to a systems administrator.

18. (Previously Presented) The machine-readable storage medium of claim 14, wherein the at least one parameter is related to user context information.

19. (Previously Presented) The machine-readable storage medium of claim 14, wherein the tag comprises an indicator of a beginning of the tag, and an indicator of an end of the tag.

20. (Previously Presented) The machine-readable storage medium of claim 19, wherein the at least one parameter value is located between the indicator of the beginning and the indicator of the end of the tag.

21. (Previously Presented) The machine-readable storage medium of claim 20, wherein each of the at least one parameter fields comprises an indicator of a beginning of the parameter field, followed by the parameter value, which in turn is followed by an indicator of an end of the parameter field.

22. (Currently Amended) The machine-readable storage medium of claim 14, wherein the at least one parameter value can be accessed without accessing [[a session space]] memory allocated to a database session associated with a session window, wherein the database statement was issued within the session window and the session window is the period of time a client remains connected in the database session.

23. (Currently Amended) The machine-readable storage medium of claim 26, wherein the at least one parameter value can be accessed without accessing [[a session space]] memory allocated to a database session associated with a session window, wherein the database statement was issued within the session window and the session window is the period of time a client remains connected in the database session.

24. (Currently Amended) The machine-readable storage medium of claims 15, wherein the at least one parameter value can be accessed without accessing [[a session space]] memory allocated to a database session associated with a session window, wherein the database statement was issued within the session window and the session window is the period of time a client remains connected in the database session

25. (Currently Amended) The machine-readable storage medium of claim 14, wherein the at least one parameter value can be accessed after a session window has closed, wherein the database statement was issued within the session window.

26. (Previously Presented) The machine-readable storage medium of claim 14, wherein a security level is associated with the at least one parameter such that whether the database is entitled to access a component is based on the at least one parameter.